TABLE 2
TIER 1 SUBSURFACE SOIL (>2 ft) RBSLs (mg/kg)

This table applies to contaminated subsurface soil (>2 feet below the ground surface). Distance to water is from the sample depth to the water table. **For VPH compounds at UST sites, default RBSLs, provided in bold on Table 1, are used to determine if a release has occurred at a site. Default RBSLs apply to the entire soil column and always apply in the absence of adequate information. For EPH compounds the 50 ppm screening level is used to determine whether a release has occurred at UST sites.**

Distance to groundwater		**< 10 feet to ground water**		**10-20 feet to ground water**		**> 20 feet to ground water**	
Chemical	**E**	**>2 ft Excavation**	**B**	**>2 ft Excavation**	**B**	**>2 ft Excavation**	**B**
For Gasoline and Light Hydrocarbons measured using the Massachusetts Method for Volatile Petroleum Hydrocarbons (VPH)							
C5-C8 Aliphatics	n	100	dc	100	dc	100	dc
C9-C12 Aliphatics	n	500	bu	500	bu	500	bu
C9-C10 Aromatics	n	8	l	30	l	40	l
MTBE	n	0.1	l	0.2	l	0.3	l
Benzene	c	0.05	l	0.1	l	0.2	l
Toluene	n	10	l	40	l	60	l
Ethylbenzene	n	10	l	40	l	60	l
Xylenes	n	200	dc	200	dc	200	dc
Naphthalene	n	9	l	30	l	50	l
For Diesel and Heavy Hydrocarbons measured using the Massachusetts Method for Extractable Petroleum Hydrocarbons (EPH)							
C9-C18 Aliphatics	n	1,000	dc	1,000	dc	1,000	dc
C19-C36 Aliphatics	n	5,000	bu	5,000	bu	5,000	bu
C11-C22 Aromatics	n	100	l	400	l	600	l
Acenaphthene	n	200	l	500	l	800	l
Anthracene	n	4,000	l	10,000	l	20,000	l
Benz(a)anthracene	c	10	l	40	l	70	l
Benzo(a)pyrene	c	3	l	10	l	20	l
Benzo(b)fluoranthene	c	50	l	200	l	200	dc
Benzo(k)fluoranthene	c	500	l	2,000	l	2,000	dc
Chrysene	c	1,000	l	5,000	l	8,000	l
Dibenzo(a,h)anthracene	c	6	l	20	dc	20	dc
Fluoranthene	n	1,000	l	4,000	l	5,000	l
Fluorene	n	200	l	600	l	900	l
Indeno(1,2,3-cd)pyrene	c	10	l	40	l	60	l
Naphthalene	n	9	l	30	l	50	l
Pyrene	n	5,000	l	7,000	dc	7,000	dc

Notes:

E = Effect is either:

n = non-carcinogenic and direct contact RBSLs are based on a hazard quotient of 0.125 for a total hazard index which does not exceed 1, or

c = carcinogenic and direct contact RBSLs are based on a cancer risk of $1X10^{6}$ for a total cancer risk which does not exceed $1X10^{-5}$.

B = Basis is the most conservative of:

l = leaching from soil to groundwater;
dc = residential direct contact including ingestion, inhalation, and dermal; or
bu = adversely affects beneficial uses (foul odor or taste).

If the leaching pathway is not the most conservative basis, excavation RBSLs apply to subsurface soil.

DEQ's RBCA policy includes a ceiling concentration of 500 mg/kg for total of the gasoline range fractions.

DEQ's RBCA policy includes a ceiling concentration of 5,000 mg/kg for the total of the diesel range fractions.